

# TVS ABSorb Raft

## TECHNICAL INFORMATION



**TVS ACOUSTICS**  
NOISE & VIBRATION CONTROL

**TVS ABSorb Rafts** are innovative, frameless acoustic rafts which offers new opportunities for improving acoustics while bringing a whole new aesthetic to a room.

Designed with practicality in mind, these art deco-inspired rafts will give you peace of mind while adding colour, texture and a design feature to any environment.



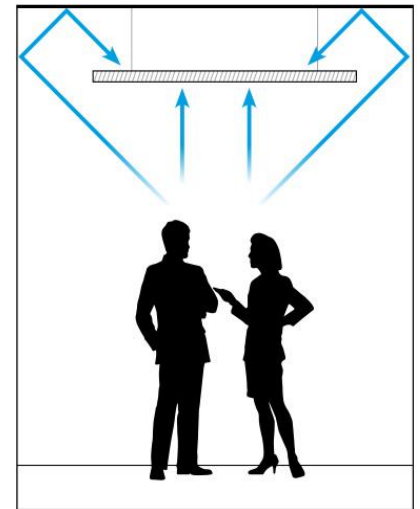
### What is TVS ABSorb Raft?

**TVS ABSorb Rafts** are designed to absorb sound and enable you to achieve the optimum level of acoustic comfort, prevent echo and reverberation, and ensures enhanced speech intelligibility.

The rafts can be used in many types of environments such as offices, schools, hospitals, restaurants, retail and leisure.

**Our TVS ABSorb Rafts** acoustic rafts are available in a wide variety of shapes and sizes, including custom shapes. The 25mm thick panels are fabricated in a range of fabric colours giving a flawless finish. The fabric is bonded to the face and wrapped around all edges. Alternatively our rafts can be covered with your own unique high resolution images for a personal touch.

**TVS ABSorb Rafts** acoustic rafts provide acoustic treatment to areas using thermal mass construction by enabling the air to flow freely in the room.



TVS ABSorb Raft absorbs sound from the front and back surfaces  
Dimensional tolerence +/- 5mm.

### Technical & Acoustic Performance

**TVS ABSorb Raft** acoustic rafts are designed to absorb sound from the front and the back surfaces which enables them to achieve the highest Class A performance in sound absorption. 40mm thick rafts are available on request.

Sound Absorption Coefficient – TVS ABSorb Raft 25mm Thick (with 100mm suspension)								
Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption Class
TVS ABSorb Raft ( $\alpha_s$ )	0.35	0.85	0.95	1.00	0.95	1.00	0.95	A
Sound Absorption Coefficient – TVS ABSorb Raft 40mm Thick (with 100mm suspension)								
Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption Class
TVS ABSorb Raft ( $\alpha_s$ )	0.60	0.77	0.84	0.99	1.02	1.08	0.90	A



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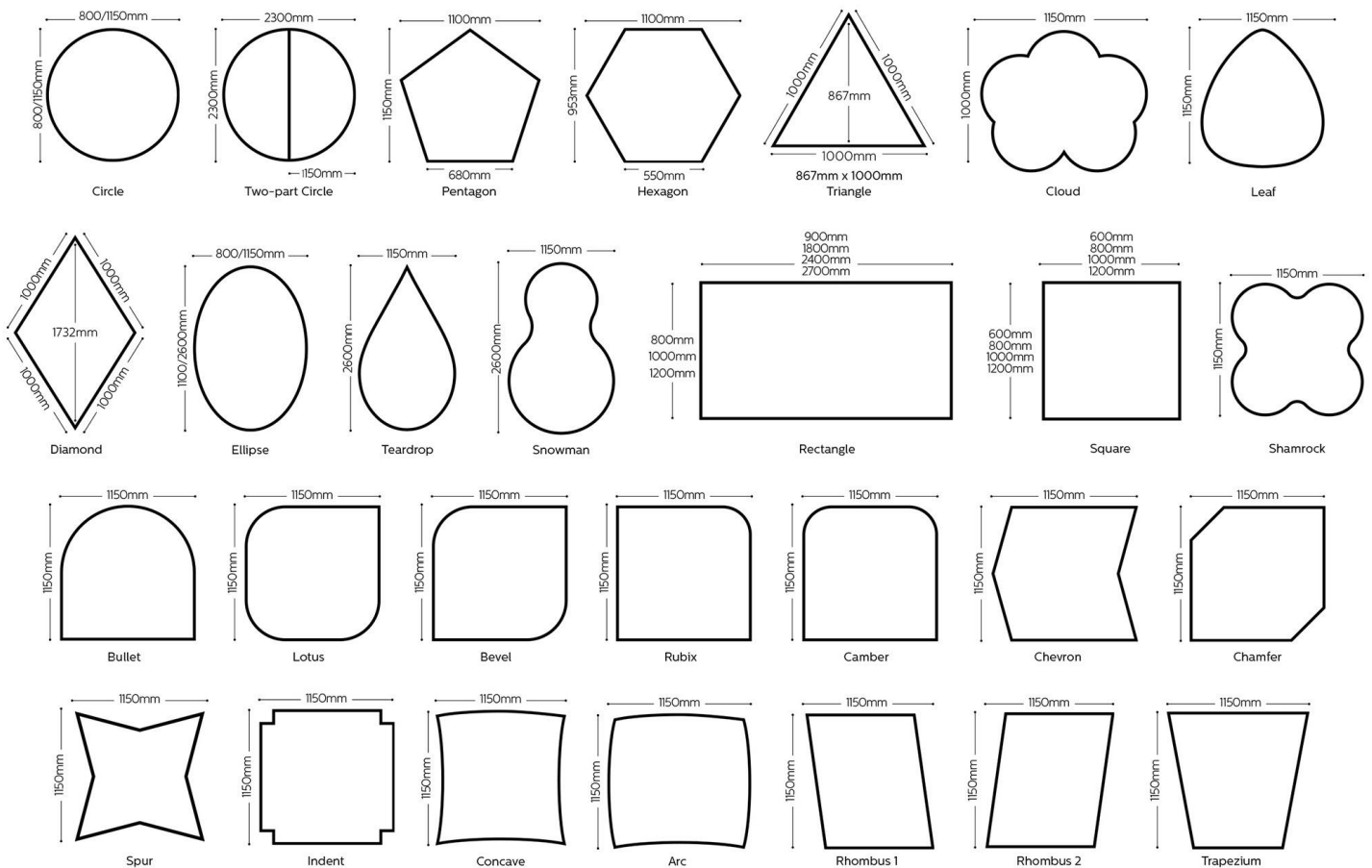


### Physical Information

- Colours** Choice of 80 colours available – Cara & Lucia ranges
- Fire Resistance** TVS ABSorb Raft core board has been tested and offers Class O fire rating to BS476: Part 6. Fabric facing complies with Class 1 to BS476: Part 7. Class O fabrics can be supplied on request
- Weight** Our TVS ABSorb Raft panels weigh in at 3kg/m<sup>2</sup>

### Silence comes in many SHAPES

We understand that no two rooms are the same. As a result, **TVS ABSorb Raft** panels are available in various shapes and sizes that range from the simplest of forms to the most modern geometrics. TVS has got you covered for your ideal aesthetic. The rafts can be hung individually or in innovative groups to create your own unique design.



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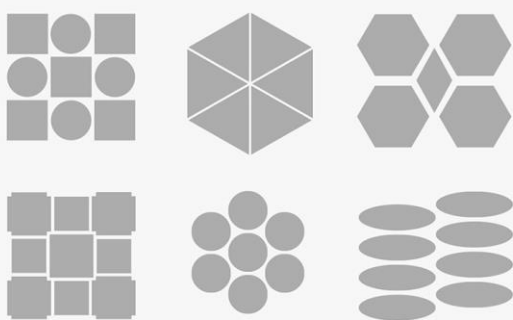
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## Grouping Ideas

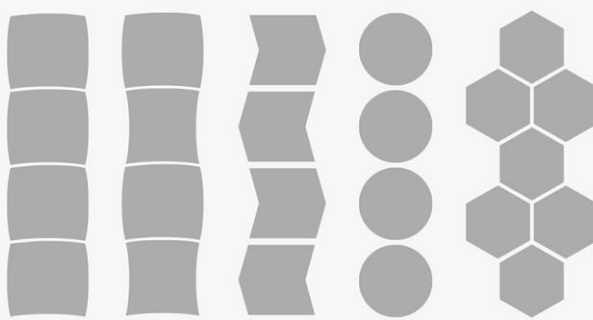
Square grouped formats



Multi grouped formats



Linear grouped formats



## Cleaning

Light dirt marks may be removed by using a proprietary carpet spot cleaner. A small area should be tested before doing the rest of the area to ensure that the fabric is not adversely affected.



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# TVS ABSorb Raft

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### Installation

**TVS ABSorb Rafts** are quick and easy to install and don't require the skills of a specialist fitter. The acoustic rafts are simply suspended by steel cables from the soffit by means of special spiral hooks, which are fitted into the reverse of the raft by means of clockwise rotation.

Height level adjustment can be carried out by manipulating the length of each cable to suit when it is inserted into the eyelet hook. **TVS ABSorb Rafts** can be set at an angle if required to increase design and aesthetic properties.

The spiral hooks should be placed approx. 200mm in from the edge of the **TVS ABSorb Rafts**. For angled installations, we recommend the largest panels to be no more than 600mm x 600mm.

Our hanging kit includes spiral hook, 2m cable and eyelet hook.



Size	No. of kits needed
Up to 1600 x 1200mm	4
Over 1800 x 1200mm	8
Circular Rafts	4

**TVS ABSorb Raft**  
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